

[illegible]

PROGRAMMING CODE APPENDIX A


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320 WS=(DS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15
325 XBY(65508)=TX:GOSUB 50:IF TP>TG GOTO 340
330 IF TX<>DS*10 GOTO 320
333 GOSUB 30
335 GOSUB 50:IF TP<TG GOTO 335
340 TG=OTEMP:EB=TIME
345 WS=(5*WS+10*(TG-TP))/7:TX=INT(WS+0.5)
350 IF TX>=0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
355 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
360 IF V=1 THEN IF DTIM+5>(TIME-EB) GOTO 380
370 IF DTIM<(TIME-EB) GOTO 500
380 GOSUB 50: GOTO 345

500 PRINT "A",XBY(65508)=0:TG=ATEMP
845 S(0)="spl 200;gol nd;hfl 2;wfo =x...;sl":GOSUB 3: rem open
855 XBY(65509)=AS*10
860 GOSUB 30
890 EB=TIME:WS=-AS*10
913 WS=(4*WS+20*(TG-TP))/5:TX=INT(WS+0.5)
915 IF TX>=0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
918 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
920 IF ATIM+1<(TIME-EB) GOTO 925
924 GOSUB 50: GOTO 913

925 PRINT:PRINT "B",XBY(65509)=4:TG=STEMP+1
930 S(0)="hfl 1;spl 50;gol;wfo =x...;sl":GOSUB 3:WS=0: REM CLOSE
935 WS=(AS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15:GOSUB 25:XBY(65508)=TX
937 GOSUB 50:IF TP>TG-1 GOTO 970
940 IF TX<>ES*10 GOTO 935
950 GOSUB 50: IF TP<TG-1 GOTO 950
970 EB=TIME
980 WS=(WS+5*(TG-TP))/3:TX=INT(WS+0.5)
983 IF TX>=0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
987 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
990 IF ETIM<(TIME-EB) GOTO 1000
995 GOSUB 50: GOTO 980
1000 CTIM=TIME-INC: TMC=TIME: PRINT "CYCLE=",V,"TIME=",CTIM
1050 NEXT V

1055 XBY(65508)=0:XBY(65509)=255
1060 INPUT "STRAND REANNEALING (Y/N) ?",$1)
1070 IF ASC($1,1)=79 GOTO 1290
1100 PRINT "STRAND REANNEALING IN PROCESS..."
1110 TG=OTEMP:XBY(65509)=4
1120 WS=(DS*10+WS*9)/10:TX=INT(WS+0.5):GOSUB 15
1130 XBY(65508)=TX:GOSUB 50:IF TP>TG GOTO 1170
1140 IF TX<>DS*10 GOTO 1120
1150 GOSUB 30
1160 GOSUB 50:IF TP<TG GOTO 1160
1170 EB=TIME
1180 WS=(11*WS+10*(TG-TP))/12:TX=INT(WS+0.5)
1185 IF TX>=0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
1190 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
1193 IF 5<(TIME-EB) GOTO 1200
1196 GOSUB 50: GOTO 1180
1200 XBY(65508)=0:XBY(65509)=255:WS=0
1210 DO:GOSUB 50:UNTIL TP<75

1220 EB=TIME
1230 WS=(WS+3*(75-TP))/2:TX=INT(WS+0.5)
1240 IF TX>=0 THEN GOSUB 25:XBY(65508)=TX:XBY(65509)=4
1250 IF TX<0 THEN GOSUB 20:XBY(65508)=0:XBY(65509)=4-TX
1260 IF 60<(TIME-EB) GOTO 1280
1270 GOSUB 50: GOTO 1230

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